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A bibliography of works on meiosis and somatic mitosis in the Angiosperms

MAURICE PICARD

The accompanying bibliography was prepared, in the first instance, for the compiler's personal use. He publishes it, believing that there is need of such a means of reference to the works on meiosis and somatic mitosis in the plants already studied, and that, by such publication, interest may be aroused in the groups hitherto neglected. As far as the writer knows, there is no such bibliography in existence at the present time, nor has the plan of citing literature on mitosis with reference to the systematic position of the plants studied ever been adopted. Inasmuch as the object of the bibliography is to provide a working basis for further research no attempt has been made to make the citations on the individual plants exhaustive. It is believed, however, that from the citations given one can obtain references to all the literature. Works published before 1880 have not been cited; the citations extend to May, 1913. Works on the morphological development of the male and female gametophytes have been mentioned only when they contain matter of cytological interest. The writer has used his own discretion with respect to articles of questionable relevance, and also in deciding whether or not incidental references to somatic mitosis should be cited.

The bibliography was compiled chiefly at the libraries of Cornell University, Columbia University, and the New York Botanical Garden; and my thanks are due to their librarians for courtesies shown me. I am also obliged to Professor G. F. Atkinson, Professor R. A. Harper, and Dr. A. B. Stout for access to some otherwise unobtainable articles, and to Professor G. F. Atkinson for examining the manuscript sheets.

The writer is aware that such a bibliography as here presented must be inadequate in many ways, and he hopes that those who can will acquaint him with omitted references.

The nomenclature employed is that of N. L. Britton's "Manual

of the Flora of the Northern States and Canada," 2d ed., 1907, when the plants cited are contained in this volume. In the case of forms not within the range of this work, the nomenclature follows the rules laid down by the International Botanical Congress at Vienna. Where the two systems differ, the designation of the Vienna code is added in parentheses.

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tera and *Calendula*
 briefly, also]

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ROSALES—PAPILIONACEAE (LEGUMINOSAE)

- Laburnum* **Strasburger, E. '07**, Jahrb. Wiss. Bot. **44**: 482-555.
Lathyrus odoratus **Gregory, R. P. '05**, Proc. Cam. Phil. Soc. **13**: 148-157.
Phaseolus **Zimmermann, A. '96**, Morph. und Physiol. pfl. Zellkernes. Jena.
Wager, H. '04, Ann. Bot. **18**: 29-55.
Mano, T. Martins '05, La Cellule **22**: 55-78.
Pisum **Strasburger, E. '80**, Zellbildung und Zellteilung. Jena.
Cannon, W. A. '03, Bull. Torrey Club **30**: 519-543.
Strasburger, E. '07, Jahrb. Wiss. Bot. **44**: 482-555.
Strasburger, E. '11, Flora **102**: 1-23.
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Strasburger, E. '00, Über Reduktionsteilung, etc. Hist. Beitr. **6**. Jena.

McComb, A. '00, Bull. Torrey Club 27: 451-459.

Gardner, B. '01, Contr. Bot. Lab. Univ. Pa. 2: 150-182.

Karpoff, W. '04, Unters. aus Mosk. Landwirt. Inst. 1.

Karpoff, W. '04, Trav. Inst. Agron. Moscou.

Lundegårdh, H. '10, Sv. Bot. Tidskr. 4: 174-196.

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Lundegårdh, H. '12, Jahrb. Wiss. Bot. 51: 226-280.

GROSSULARIACEAE (SAXIFRAGACEAE)

Ribes hybrids **Tischler, G.** '06, Jahrb. Wiss. Bot. 42: 545-578.

ROSACEAE

Rosa, Rubus, Alchemilla **Strasburger, E.** '04, Jahrb. Wiss. Bot. 41: 88-164.

Rosa **Rosenberg, O.** '09, Sv. Bot. Tidskr. 3: 150-162.

Fragaria elatior **Strasburger, E.** '09, Zeitpunkt Best., etc. Hist. Beitr. 7. Jena.

Potentilla hybrid **Tischler, G.** '08, Arch. Zellforsch. 1: 33-151.

GERANIALES—TROPAEOLACEAE

Tropaeolum majus **Strasburger, E.** '80, Zellbildung und Zellteilung. Jena.

RUTACEAE

Dictamnus albus **Strasburger, E.** '82, Arch. Mikr. Anat. 21: 476-589.

Strasburger, E. '88, Über Kern- und Zellteilung, etc. Hist. Beitr. 1. Jena.

Citrus **Strasburger, E.** '07, Jahrb. Wiss. Bot. 44: 482-555.

Osawa, '12, Jour. Coll. Agr. Imp. Univ. Tokyo, 4: 83-116.

EUPHORBIACEAE

Mercurialis annua **Strasburger, E.** '10, Jahrb. Wiss. Bot. 48: 428-520.

Malte, M. O. '10, Embryologiska och cytologiska undersökningar öfver *Mercurialis annua*. Diss. Lund.

SAPINDALES—ACERACEAE

- Acer* **Cardiff, I. D. '06**, Bull. Torrey Club **33**: 271-306.
 Darling, C. A. '09, Bull. Torrey Club **36**: 177-199.
 Darling, C. A. '12, Bull. Torrey Club **39**: 407-410.

MALVALES—MALVACEAE

- Gossypium* hybrid **Cannon, W. A. '03**, Bull. Torrey Club **30**: 133-172.
 Balls, W. L. '10, Ann. Bot. **24**: 653-665.
Lavatera **Byxbee, E. S. '00**, Proc. Calif. Acad. Sci. III. **2**: 63-82.

PARIETALES—PASSIFLORACEAE

- Passiflora caerulea* **Williams, C. L. '99**, Proc. Calif. Acad. Sci. III. **1**: 189-206.

THYMELEALES—THYMELEACEAE

- Daphne, Gnidia, Wickstroemia indica* **Strasburger, E. '09**, Zeitpunkt Best., etc. Hist. Beitr. **7**. Jena.

MYRTALES—ONAGRACEAE

- Onagra (Oenothera)* **Gates, R. R. '07**, Bot. Gaz. **43**: 81-115.
 and *Oenothera*
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 Lutz, A. M. '07, Science, II. **26**: 151-152.
 Gates, R. R. '08, Bot. Gaz. **46**: 1-34.
 Geerts, J. M. '08, Ber. Deuts. Bot. Ges. **26**: 608-614.
 Geerts, J. M. '09, Réceuil Trav. Bot. Néerlandais **5**: 93-209.
 Lutz, A. M. '09, Science, II. **29**: 263-267.
 Gates, R. R. '09, Bot. Gaz. **48**: 179-199.
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PRIMULALES—PRIMULACEAE

Primula

Gregory, R. P. '09, Proc. Cam. Phil. Soc. 15:
239-246.

Digby, L. '12, Ann. Bot. 26: 357-388.

GENTIANALES—OLEACEAE

Syringa hybrid

Juel, H. O. '00, Jahrb. Wiss. Bot. 35: 626-
657.

Tischler, G. '08, Arch. Zellforsch. 1: 33-151.

GENTIANACEAE

Gentiana procera

Denniston, R. H. '13, Science, II. 37: 383-
384.

ASCLEPIADACEAE

Asclepias syriaca

Stevens, W. C. '98, Kansas Univ. Quart. 7:
77-85.

Strasburger, E. '01, Ber. Deuts. Bot. Ges.
19: 450-461.

Gager, C. S. '02, Ann. Bot. 16: 123-148.

POLEMONIALES—POLEMONIACEAE

Cobaea scandens

Lawson, A. A. '98, Proc. Calif. Acad. Sci. III.
1: 169-188.

SOLANACEAE

Solanum tuberosum

Mano, T. Martins '05, La Cellule 22: 55-78.

SCROPHULARIACEAE

Pedicularis sylvestris

Guignard, L. '84, Ann. Sci. Nat. Bot. VI. 17:
5-59.

BIGNONIACEAE

Bignonia venusta

Duggar, B. M. '99, Bull. Torrey Club 26:
89-105.

RUBIALES—RUBIACEAE

Houstonia coerulea

Stevens, N. E. '12, Bot. Gaz. 53: 277-308.

CAPRIFOLIACEAE

Sambucus nigra

Went, F. '87, Ber. Deuts. Bot. Ges. 5:
247-258.

Strasburger, E. '88, Über Kern- und Zell-
teilung, etc. Hist. Beitr. 1. Jena.

ADOXACEAE

Adoxa Moschatellina

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CAMPANULALES—CUCURBITACEAE

Kirkwood, J. E. '07, Bull. Torrey Club 34:
221-242.

- Cucurbita Pepo* **Zacharias, E. '95**, *Flora* **81**: 217-266.
Zimmermann, A. '96, *Morph. und Physiol.*
Pfl. Zellkernes. Jena.
- Bryonia hybrid* **Tischler, G. '06**, *Ber. Deuts. Bot. Ges.* **24**:
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CAMPANULACEAE

- Campanula grandis* **Overton, J. B. '05**, *Jahrb. Wiss. Bot.* **42**:
121-153.
Overton, J. B. '09, *Ann. Bot.* **23**: 19-61.
- Micranthemum* **Kirkwood, J. E. '07**, *Bull. Torrey Club* **34**:
221-242.

CICHORIACEAE and COMPOSITAE

- Silphium* **Merrell, W. D. '00**, *Bot. Gaz.* **29**: 99-133.
- Tanacetum vulgare* **Rosenberg, O. '05**, *Bot. Not.* **1905**: 1-24.
- Antennaria* **Juel, H. O. '00**, *Köngl. Sv. Vet.-Akad. Handl.*
33⁵: 1-57; **'05**, **39**⁴: 1-21.
- Crepis* **Rosenberg, O. '09**, *Sv. Bot. Tidskr.* **3**: 64-77.
Beer, R. '12, *Ann. Bot.* **26**: 705-726.
- Hieracium* **Juel, H. O. '05**, *Köngl. Sv. Vet.-Akad. Handl.*
39⁴: 1-21.
Rosenberg, O. '07, *Sv. Bot. Tidskr.* **1**: 398-
410.
Rosenberg, O. '07, *Bot. Tidskr.* **28**: 144-170.
- Taraxacum* **Juel, H. O. '04**, *Ark. Bot.* **2**⁴: 1-9.
Juel, H. O. '05, *Köngl. Sv. Vet.-Akad. Handl.*
39⁴: 1-21.
Rosenberg, O. '09, *Sv. Bot. Tidskr.* **3**: 150-
162.
- Achillea Millefolium*, **Lundegårdh, H. '09**, *Sv. Bot. Tidskr.* **3**: 78-
Calendula officinalis, 124.
Anthemis, Matricaria
Chamomilla
- Calendula officinalis*, **Beer, R. '12**, *Ann. Bot.* **26**: 705-726.
Anthemis, Matricaria
Chamomilla
- Chondrilla juncea* **Rosenberg, O. '12**, *Sv. Bot. Tidskr.* **6**: 915-
919.
- Tragopogon pratensis*, **Beer, R. '12**, *Ann. Bot.* **26**: 705-726.
Doronicum plantagi-
neum